



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

PIEDMONT REGIONAL OFFICE

4949A Cox Road, Glen Allen, Virginia 23060

(804) 527-5020 Fax (804) 527-5106

www.deq.virginia.gov

Molly Joseph Ward
Secretary of Natural Resources

David K. Paylor
Director

Jeffery Steers
Regional Director

July 18, 2017

Jason E. Williams
Manager, Generation Environmental Services
Chesterfield Power Station
Transmitted via email: Jason.E.Williams@dominionenergy.com

Re: Discharge of Raw River Water as Diver Cooling Water to Outfall 003
VA0004146 – Chesterfield Power Station

Dear Mr. Williams:

The DEQ received your notification on July 17, 2017, regarding the proposed discharge of raw river water to the thermal channel and subsequently through Outfall 003 as cooling water for divers working in the thermal channel.

We have no objection to the proposed discharge of the raw river water to the thermal channel and through Outfall 003. It is understood that the raw river water will be pumped from the station's firewater system as cooling water through divers' suits while working in the thermal channel at an approximate rate of 15,000 gallons per day for 6 days. Given that the river water will not be treated with any additives and the relatively low expected volume of discharge over the course of the project, release of the raw river water to the thermal channel from the divers' suits is not expected to alter the characteristics of the effluent at Outfall 003.

Nothing in this letter relieves Dominion from the responsibility to comply with requirements set forth in VPDES Permit No. VA0004146 or from adhering to the Virginia Water Quality Standards (9VAC25-260).

Please contact Joseph Bryan at (804) 527-5014 or via email at Joseph.Bryan@deq.virginia.gov if you have any questions.

Sincerely,

A handwritten signature in blue ink that reads "Emilee C. Adamson".

Emilee C. Adamson
Planning and Water Permit Manager

cc: Kenneth Roller, Dominion

Bryan, Joseph (DEQ)

From: Kenneth Roller (Services - 6) <kenneth.roller@dominionenergy.com>
Sent: Monday, July 17, 2017 5:17 PM
To: Adamson, Emilee (DEQ); Bryan, Joseph (DEQ)
Cc: Jason E Williams (Services - 6); Beverly Wood (Generation - 3)
Subject: FW: Cooling Water for Divers

Follow Up Flag: Follow up
Flag Status: Flagged

Emilee and Joseph,

I just left you both lengthy voicemails about the work that is described in Beverly's email to me below. We would like to use water from the station's firewater system as cooling water for divers that will be working in Chesterfield Power Station's thermal channel. The water will be transferred to the diver's suits and will then pass into the thermal channel. The work is in support of the Outfall 301 diffuser. Water from the firewater system is river water that has not been treated with any additives and therefore, release of the water to the thermal channel from the diver's suits should have no impact on the quality of the final discharge at Outfall 003. We are seeking your concurrence that this water can be released to the thermal channel under the existing VPDES permit.

We would like to start this work tomorrow morning.

Thank you,

Ken

From: Beverly Wood (Generation - 3)
Sent: Monday, July 17, 2017 4:47 PM
To: Kenneth Roller (Services - 6)
Subject: Cooling Water for Divers

Ken,

The Generation Construction team will have a contractor performing work below the water surface in the thermal channel. The divers need to have cooling water pumped through their dive suite to keep them cool. They are asking to use a fire hydrant at the plant to fill the 4,000 gallon water truck with untreated river water from the fire main header and use up to 15,000 gallons per day for their divers starting tomorrow, July 18, 2017. This work may be ongoing for up to 6 days.

The alternative is to fill the water truck from a potable water source from the county which is their fire hydrant off of Coxendale Rd or from a county water supply header to the station.

Please advise if this is an acceptable water source for the task.

Thanks,

Beverly Wood

Supervisor - Environmental

Chesterfield Power Station / Bellemeade Power Station

804-796-6350 (office)

804-229-0691 (cell)

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